

Mr. Allen

1645 १०/०८/१९९८

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**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/727,084A**

DATE: 06/06/98  
TIME: 13:51:14

*INPUT SET: S26527.raw*

**This Raw Listing contains the General Information Section and up to the first 5 pages.**



**RAW SEQUENCE LISTING**  
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100	GCC GCA GCT CCT CGG AGT CCC GCG GTG GCC ACC GAG TCT CGC CGC TTC	222
101	Ala Ala Ala Pro Arg Ser Pro Ala Val Ala Thr Glu Ser Arg Arg Phe	
102	5 10 15 20	
103		
104	GCC GCA GCC AGG TGG CCC GGG TGG CGC TCG CTC CAG CGG CCG GCG CGG	270
105	Ala Ala Ala Arg Trp Pro Gly Trp Arg Ser Leu Gln Arg Pro Ala Arg	
106	25 30 35	
107		
108	CGG AGC GGG CGG GGC GGC GGT GGC GCG GCC CCG GGA CCG TAT CCC TCC	318
109	Arg Ser Gly Arg Gly Gly Gly Ala Ala Pro Gly Pro Tyr Pro Ser	
110	40 45 50	
111		
112	GCC GCC CCT CCC CCG CCC GGC CCC CCC CCT CCC TCC CGG CAG AGC	366
113	Ala Ala Pro Pro Pro Gly Pro Gly Pro Pro Ser Arg Gln Ser	
114	55 60 65	
115		
116	TCG CCT CCC TCC GCC TCA GAC TGT TTT GGT AGC AAC GGC AAC GGC GGC	414
117	Ser Pro Pro Ser Ala Ser Asp Cys Phe Gly Ser Asn Gly Asn Gly Gly	
118	70 75 80	
119		
120	GGC GCG TTT CGG CCC GGC TCC CGG CGG CTC CTT GGT CTC GGC GGG CCT	462
121	Gly Ala Phe Arg Pro Gly Ser Arg Arg Leu Leu Gly Leu Gly Gly Pro	
122	85 90 95 100	
123		
124	CCC CGC CCC TTC GTC GTC CTT CTC CCC CTC GCC AGC CCG GGC GCC	510
125	Pro Arg Pro Phe Val Val Val Leu Leu Pro Leu Ala Ser Pro Gly Ala	
126	105 110 115	
127		
128	CCT CCG GCC GCG CCA ACC CGC GCC TCC CCG CTC GGC GCC CGT GCG TCC	558
129	Pro Pro Ala Ala Pro Thr Arg Ala Ser Pro Leu Gly Ala Arg Ala Ser	
130	120 125 130	
131		
132	CCG CCG CGT TCC GGC GTC TCC TTG GCG CGC CCG GCT CCC GGC TGT CCC	606
133	Pro Pro Arg Ser Gly Val Ser Leu Ala Arg Pro Ala Pro Gly Cys Pro	
134	135 140 145	
135		
136	CGC CCG GCG TGC GAG CCG GTG TAT GGG CCC CTC ACC ATG TCG CTG AAG	654
137	Arg Pro Ala Cys Glu Pro Val Tyr Gly Pro Leu Thr Met Ser Leu Lys	
138	150 155 160	
139		
140	CCC CAG CAG CAG CAG CAG CAG CAA CAG CAG CAG CAG CAA CAG	702
141	Pro Gln	
142	165 170 175 180	
143		
144	CAG CAG CAG CAG CAG CAG CCG CCC GCG GCT GCC AAT GTC CGC	750
145	Gln Gln Gln Gln Gln Pro Pro Pro Ala Ala Ala Asn Val Arg	
146	185 190 195	
147		
148	AAG CCC GGC AGC GGC CTT CTA GCG TCG CCC GCC GCG CCT TCG	798
149	Lys Pro Gly Gly Ser Gly Leu Leu Ala Ser Pro Ala Ala Ala Pro Ser	
150	200 205 210	
151		
152	CCG TCC TCG TCC TCG GTC TCC TCG TCG GCC ACG GCT CCC TCC TCG	846

**RAW SEQUENCE LISTING**  
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153	Pro Ser Ser Ser Val Ser Ser Ser Ala Thr Ala Pro Ser Ser	
154	215	220
155		225
156	GTG GTC GCG GCG ACC TCC GGC GGC GGG AGG CCC GGC CTG GGC AGA GGT	894
157	Val Val Ala Ala Thr Ser Gly Gly Gly Arg Pro Gly Leu Gly Arg Gly	
158	230	235
159		240
160	CGA AAC AGT AAC AAA GGA CTG CCT CAG TCT ACG ATT TCT TTT GAT GGA	942
161	Arg Asn Ser Asn Lys Gly Leu Pro Gln Ser Thr Ile Ser Phe Asp Gly	
162	245	250
163		255
164	260	
165	ATC TAT GCA AAT ATG AGG ATG GTT CAT ATA CTT ACA TCA GTT GTT GGC	990
166	Ile Tyr Ala Asn Met Arg Met Val His Ile Leu Thr Ser Val Val Gly	
167	265	270
168		275
169	TCC AAA TGT GAA GTA CAA GTG AAA AAT GGA GGT ATA TAT GAA GGA GTT	1038
170	Ser Lys Cys Glu Val Gln Val Lys Asn Gly Gly Ile Tyr Glu Gly Val	
171	280	285
172		290
173	TTT AAA ACT TAC AGT CCG AAG TGT GAT TTG GTA CTT GAT GCC GCA CAT	1086
174	Phe Lys Thr Tyr Ser Pro Lys Cys Asp Leu Val Leu Asp Ala Ala His	
175	295	300
176		305
177	GAG AAA AGT ACA GAA TCC AGT TCG GGG CCG AAA CGT GAA GAA ATA ATG	1134
178	Glu Lys Ser Thr Glu Ser Ser Gly Pro Lys Arg Glu Glu Ile Met	
179	310	315
180		320
181	GAG AGT ATT TTG TTC AAA TGT TCA GAC TTT GTT GTG GTA CAG TTT AAA	1182
182	Glu Ser Ile Leu Phe Lys Cys Ser Asp Phe Val Val Val Gln Phe Lys	
183	325	330
184		335
185	GAT ATG GAC TCC AGT TAT GCA AAA AGA GAT GCT TTT ACT GAC TCT GCT	1230
186	Asp Met Asp Ser Ser Tyr Ala Lys Arg Asp Ala Phe Thr Asp Ser Ala	
187	345	350
188		355
189	ATC AGT GCT AAA GTG AAT GGC GAA CAC AAA GAG AAG GAC CTG GAG CCC	1278
190	Ile Ser Ala Lys Val Asn Gly Glu His Lys Glu Lys Asp Leu Glu Pro	
191	360	365
192		370
193	TGG GAT GCA GGT GAA CTC ACA GCC AAT GAG GAA CTT GAG GCT TTG GAA	1326
194	Trp Asp Ala Gly Glu Leu Thr Ala Asn Glu Glu Leu Ala Leu Glu	
195	375	380
196		385
197	AAT GAC GTA TCT AAT GGA TGG GAT CCC AAT GAT ATG TTT CGA TAT AAT	1374
198	Asn Asp Val Ser Asn Gly Trp Asp Pro Asn Asp Met Phe Arg Tyr Asn	
199	390	395
200		400
201	GAA GAA AAT TAT GGT GTA GTG TCT ACG TAT GAT AGC AGT TTA TCT TCG	1422
202	Glu Glu Asn Tyr Gly Val Val Ser Thr Tyr Asp Ser Ser Leu Ser Ser	
203	405	410
204		415
205	TAT ACA GTG CCC TTA GAA AGA GAT AAC TCA GAA GAA TTT TTA AAA CGG	1470
	Tyr Thr Val Pro Leu Glu Arg Asp Asn Ser Glu Glu Phe Leu Lys Arg	

**RAW SEQUENCE LISTING**  
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206	425	430	435	
207				
208	GAA GCA AGG GCA AAC CAG TTA GCA GAA GAA ATT GAG TCA AGT GCC CAG			1518
209	Glu Ala Arg Ala Asn Gln Leu Ala Glu Glu Ile Glu Ser Ser Ala Gln			
210	440	445	450	
211				
212	TAC AAA GCT CGA GTG GCC CTG GAA AAT GAT GAT AGG AGT GAG GAA GAA			1566
213	Tyr Lys Ala Arg Val Ala Leu Glu Asn Asp Asp Arg Ser Glu Glu Glu			
214	455	460	465	
215				
216	AAA TAC ACA GCA GTT CAG AGA AAT TCC AGT GAA CGT GAG GGG CAC AGC			1614
217	Lys Tyr Thr Ala Val Gln Arg Asn Ser Ser Glu Arg Glu Gly His Ser			
218	470	475	480	
219				
220	ATA AAC ACT AGG GAA AAT AAA TAT ATT CCT CCT GGA CAA AGA AAT AGA			1662
221	Ile Asn Thr Arg Glu Asn Lys Tyr Ile Pro Pro Gly Gln Arg Asn Arg			
222	485	490	495	500
223				
224	GAA GTC ATA TCC TGG GGA AGT GGG AGA CAG AAT TCA CCG CGT ATG GGC			1710
225	Glu Val Ile Ser Trp Gly Ser Gly Arg Gln Asn Ser Pro Arg Met Gly			
226	505	510	515	
227				
228	CAG CCT GGA TCG GGC TCC ATG CCA TCA AGA TCC ACT TCT CAC ACT TCA			1758
229	Gln Pro Gly Ser Gly Ser Met Pro Ser Arg Ser Thr Ser His Thr Ser			
230	520	525	530	
231				
232	GAT TTC AAC CCG AAT TCT GGT TCA GAC CAA AGA GTA GTT AAT GGA GGT			1806
233	Asp Phe Asn Pro Asn Ser Gly Ser Asp Gln Arg Val Val Asn Gly Gly			
234	535	540	545	
235				
236	GTT CCC TGG CCA TCG CCT TGC CCA TCT CCT TCC TCT CGC CCA CCT TCT			1854
237	Val Pro Trp Pro Ser Pro Cys Pro Ser Pro Ser Ser Arg Pro Pro Ser			
238	550	555	560	
239				
240	CGC TAC CAG TCA GGT CCC AAC TCT CTT CCA CCT CGG GCA GCC ACC CCT			1902
241	Arg Tyr Gln Ser Gly Pro Asn Ser Leu Pro Pro Arg Ala Ala Thr Pro			
242	565	570	575	580
243				
244	ACA CGG CCG CCC TCC AGG CCC CCC TCG CGG CCA TCC AGA CCC CCG TCT			1950
245	Thr Arg Pro Pro Ser Arg Pro Pro Ser Arg Pro Ser Arg Pro Pro Ser			
246	585	590	595	
247				
248	CAC CCC TCT CAT GGT TCT CCA GCT CCT GTC TCT ACT ATG CCT AAA			1998
249	His Pro Ser Ala His Gly Ser Pro Ala Pro Val Ser Thr Met Pro Lys			
250	600	605	610	
251				
252	CGC ATG TCT TCA GAA GGG CCT CCA AGG ATG TCC CCA AAG GCC CAG CGA			2046
253	Arg Met Ser Ser Glu Gly Pro Pro Arg Met Ser Pro Lys Ala Gln Arg			
254	615	620	625	
255				
256	CAT CCT CGA AAT CAC AGA GTT TCT GCT GGG AGG GGT TCC ATA TCC AGT			2094
257	His Pro Arg Asn His Arg Val Ser Ala Gly Arg Gly Ser Ile Ser Ser			
258	630	635	640	

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**SEQUENCE VERIFICATION REPORT**  
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Original Text